krabat™

Krabat Sheriff

User manual

Krabat Sheriff has got the CE marking. This is a guarantee for the product to meet all the requirements of the European health and safety regulations. The product has got the CE marking in accordance to EN 12183:2009(E).

Safety

The CE making shall be removed if there is any reconstruction of the product, or use of unoriginal parts.

✶

Never leave a child in the wheelchair without adult supervision.

✶

The wheelchair will accommodate a maximum weight of 35 kg.

✶

The antitipper needs to be in place at all times. If removed the angle of tipping is changed and dangerous situations can occur.

✶

Check or adjust the hip belt on a regular basis and make sure there is no malfunction. The hip belt prevents the child from falling out the wheelchair, and it also encourages a correct sitting position.

✶

Krabat Sheriff is an indoor wheelchair, and should not be used outdoor. The wheelchair is not constructed for the load of outdoor use. Outdoor use can lead to dangerous situations for the child.

✶

Krabat Sheriff is not a toy. Never let a child play with the wheelchair as is can harm both the child and the product.

✶

Always use the wheelchair as advised by your physiotherapist or occupational therapist.

✶

Krabat Sheriff is not approved for car transport.

✶

The temperature of the surface can be high if exposed for direct sunlight over a long period of time. Under these circumstances it is important to check the temperature before you place a child in the wheelchair.

✶

Maximum safe slope is 8 degrees. Surfaces with bigger slopes can cause the wheelchair to tip over.

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01

General

Krabat Sheriff is an active children's wheelchair for indoor use. The wheelchair accommodates children in the age of approx 2 – 6 years.

The wheelchair is lightweight and the cambered wheels make it easy to maneuver. The sitting position is individually adjusted using angle of seat, angle of backrest, position and different angles of the footrests. The Krabat Sheriff has got a saddle seat, and the sitting position is close to identical with the one of Krabat Jockey. The use of this wheelchair should be determined by your local physiotherapist or occupational therapist.

The Krabat Sheriff promotes a neutral position in the hip and pelvic and abducts the hips. This together with the wide support given by the footrests ensures a wide base of support. The wheelchair promotes good stability in the lower body and gives the spinal column natural curves. This provides a good base for balance and activity in the trunk and upper body. All together it gives the child a close to ideal position for handling the wheelchair.

The saddle seat enhances an active position rather than a slumped and passive position. The upright and active position also makes chest control and head control easier, which again will benefit speech, swallowing and respiration.

To ensure an optimal sitting position it is important to try out and adjust the wheelchair before use. Do not use the wheelchair unless an individual trial has been carried out. Furthermore, do not let other children use the wheelchair without an individual trial.

As children grow they change their movement and sitting pattern on a regular basis. It is likely that the child will need another size of the sitting unit or other adjustments. Contact your local physiotherapist or occupational therapist if the product is not optimal or if adjustments are needed.

The wheelchair is developed and tested to accommodate the maximum weight of 35 kg.

02.0

Main components

Fig. 01
Main components

The Krabat Sheriff has the following main components:

01 Saddle seat with adjustable angle of the sitting unit, upholstery
02 Adjustable backrest, upholstery
03 Adjustable footrests
04 Frame
05 Propelling wheels
06 Fly wheel
07 Parking brake
08 Cup holder and attachment for table
09 Antitipper

03.0

Use

To obtain the optimal sitting position the angles of the seat, backrest and footrests need to be adjusted. This should be done by a therapist who has received training from Krabat AS, or a representative for Krabat AS.

Most of the angles can be adjusted infinitely. The footrests can be adjusted using the screws shown in chapter 03.3. The angle of the seat can be adjusted using the lever described in chapter 03.2. The angle of the backrest can be adjusted and fixed in different positions using the locking lever described in chapter 03.4. The point of gravity and the height of the seat can be altered by moving the nut and bolt into one of the 6 holes in the frame designed for this use, as described in chapter 03.5.

The use of this wheelchair should be discussed with your therapist or someone who knows the child well. It is important to establish in which situations the child should use the wheelchair, how long they should use it and when to progress the time spell. This needs to be evaluated continuously as the child gets familiar with the wheelchair.

It is important to get information about how to get in and out of the wheelchair. This should be done under the individual trial or at delivery. Make sure the parking brake is activated before placing a child in the wheelchair.

03.1

Tools

The figure shows the placing of the accompanying 4 mm Allen key

03.2

Angle of the seat

Place the child on the saddle seat and tighten the belt. Make sure the child is placed well into the seat in the midline position with symmetry in the legs / lower body. Use the hip belt both to maintain the position in the saddle seat and to reduce the risk of falling out of the chair. It should be used at all times.

The angle of the seat can be adjusted by loosen two M6 screws under the seat, using the accompanying 4 mm Allen key. Adjust the angle to desired position using the lever, and tighten the two M6 screws

Fig. 02a, 02b, 02c
Adjusting the angle of the seat

Fig. 02a
Loosen the two M6 screws

Fig. 02b
Use the lever to adjust the angle of the seat.

Fig. 02c
Tighten the two M6 screws

03.3

Footrests

The depth of the footrests can be adjusted by loosening 2 screws and sliding the bracket holding the footrests up and down along the inside of the frame. Find desired position, adjust and tighten. (Fig. 03a). The height of the footrests can be adjusted by loosening the 4 screws that hold them to the bracket. Place the footrest at the desired height and tighten the screws. (Fig. 03b).

Individual horizontal adjustment of the footrest is possible using the accompanying 4mm Allen key. To adjust the horizontal positioning of the footrest, simply loosen the screw, adjust the footrest to desired position, and fasten the screw. (Fig. 03c). To adjust the placing of the footrest, unscrew and remove the screw mentioned, place footrest in wanted position, place and tighten the screw. (Fig. 03c). To adjust the width or vertical position of the footrest, simply loosen the 2 set screws holding the attachment, move the attachment to desired position and tighten the set screws. (Fig.03d).

Fig. 03a, 03b, 03c, 03d
Adjusting the footrests

Fig. 03a
Loosen 2 screws to adjust the depth of the footrests

Fig. 03b
Loosen 4 screws to adjust the height of the footrests

Fig. 03c
Loosen 1 screw to remove the footrestt

Fig. 03d
Loosen 2 screws to adjust the width and the angle of the footrest

03.4

Backrest

The angle of the backrest can be adjusted and fixed using the locking lever. Open the locking lever and fix it firmly at desired angle. If the locking lever does not fix the backrest properly, it can be tighten using the plastic ring under the lever.

Fig. 04a
The locking lever in an open position

03.5

Adjusting the point of gravity and the height of the seat

(Tools: 3 mm, 4 mm and 5 mm Allen key and a 10 mm spanner)

1: Take away the upholstery and remove 7 M4 screws. Take away the saddle seat (Fig. 05a)
2: Loosen 2 M6 screws (Fig. 05b)
3: Remove the nut and bolt, and the plastic bushing. Place the plastic bushing in desired hole and fix the nut and bolt (Fig. 05c)

The middle holes are neutral position for point of gravity. For the height, the lower 3 holes place the seat in a higher position, and the other way around.
We recommend a local therapist together with a represent for Krabat AS is present when adjusting the point of gravity or the height of the seat. This is to secure a safe and optimal use of the wheelchair. When adjusting the point of gravity we also alter the tipping angle. Beware of this when the child starts to use the wheelchair again.

Fig. 05a

Fig. 05b

Fig. 05c

03.6

Use of the parking brake

The parking brake is activated by pressing the handle in front of the seat downwards. The parking brake locks both propelling wheels at the same time. The parking brake is deactivated by pulling the handle upwards.

Always activate the parking brake when taking a child in or out of the wheelchair.

The parking brake should not be used whilst the wheelchair is moving. This could cause dangerous situations.

The wires for the parking brake might need adjustment when used for a period of time. If so contact Krabat AS or a representative for Krabat AS.

Fig. 06a
Parking brake deactivated (upper position)

Fig. 06b
Parking brake activated (lower position)

04.0

Transport

The Krabat Sheriff has Quick Release shafts. This ensures a quick and easy dismantle of the propelling wheels, when transporting the chair.

Press in the button in the centre of the shaft whilst pulling out the whole wheel. Always make sure the button pops out when mounting the wheel. This is an indication of a fixed shaft and a wheel ready for use. Make sure the propelling wheels are mounted as prescribed, to avoid dangerous situations.
The backrest can be folded down towards the seat to make the wheelchair more compact during transport. (See chapter 03.4 "Backrest")

The antitipper can also be dismantled during transport. The bolt attaching the antipipper to the frame can be loosened using a 4 mm Allen key and a 10 mm spanner. Remove the antitipper and keep hold of the nut and bolt. Always make sure the antitipper is in the correct position and tighten properly when mounting the antitipper. Always have the antitipper in place when using the wheelchair.

Do not send the Krabat Sheriff on a plane without suitable packaging (crate, suitcase, etc.). Shipping of the Krabat Sheriff without the suitable packaging can harm the product and cause dangerous situations.

The Krabat Sheriff is not approved for car transport. The child must be seated in a car seat.

Fig. 07
Dismantle / mounting of the propelling wheel

Fig. 07
Folding of the backrest

05.0

Accessories

The Krabat Sheriff can be delivered with individual accessories if needed.

05.1

Single hand drive (optional)

Due to its light weight and the cambered wheels the Krabat Sheriff is very easy to maneuver. Our aim is that children with no/little arm function on one side also can drive straight ahead and maneuver the wheelchair. Hence our new patented system for single hand drive. This compensatory mechanism for one hand drive can easily be adjusted and the wheelchair is still easy to handle.

The mechanism is based on two magnets on the front wheel (fly wheel). The strength of the compensatory mechanism is adjusted using the screw at the back. Make sure this screw is not too tight. The magnets will be too close together making it impossible for the child to swing. If the distance between the magnets is too big the mechanism has no effect.

1: Adjust the magnet at the back towards or away from the magnet at the front. Great distance between the two magnets offers little directional stability and little distance offers great directional stability. (Fig. 08a)

2: If this screw is all the way in the sector of the front wheel will be limited to 179 degrees. This makes the one hand drive easy to use and it will not interfere with the maneuverability. (Fig- 08b)

Fig. 08a

Fig. 08b

05.2

Push bar (optional)

We recommend the use of a push bar is the wheelchair is handled by others, or if the child needs assistance to maneuver. The push bar is lightweight and strong, and can easily be placed in position or removed. The push bar is treated for corrosion and can be cleaned using mild soapy water. It is important that the push bar is in the correct position.

Mounting of the push bar:

01 Place the push bar in the hole designed for this purpose
02 Twist the locking tabs 90 degrees in order to fix the push bar properly.

Dismantle in opposite order.

Fig. 09a
Push bar in place with the tabs in locked position (twist the locking tabs 90 degrees)

Fig. 09b
Push bar

Always make sure the push bar is in the correct position.

Do not let children handle the push bar. It is designed for the height of an adult. The wheelchair can tip if a child is hanging from the push bar.

The Krabat Sheriff is for indoor use only and should not be used outdoor even with the push bar. The wheelchair is not constructed for the load of outdoor use. Outdoor use can lead to dangerous situations for the child.

The antitipper needs to be in place at all times. Also when using the push bar. If removed the angle of tipping is changed and dangerous situations can occur.

The temperature of the push bar can be high if exposed for direct sunlight over a long period of time.

Do not under any circumstances make any modifications by yourself.

06.0

Maintenance

All metal and plastic parts can be cleaned using mild soapy water. The seat and backrest is covered with upholstery, and can be cleaned using either a cloth and mild soapy water or machine washed at 40 degrees Celsius. The upholstery is fastened to the chair with Velcro. Advice about spot removal is given at www.krabat.no. Bearings and other movable parts are maintenance free and should not be lubricated.

Check the tires on a regular basis. The air pressure in the tires should be 72,5 psi (5 bar). If you have a puncture use glue and patches, as for a bike. Contact Krabat AS if you have any further problems.

07.0

Adjustment/adaptation

If the wheelchair for some reason needs adjustment please contact a physiotherapist or an occupational therapist. Adaptations of the sitting unit must be made by qualified personnel or Krabat AS.

Do not under any circumstances make any modifications by yourself.

08.0

Warranty

Manufacturer of the Krabat products, Krabat AS – hereinafter referred to as KRABAT - having its place of business at Ravnsborgveien 56, 1395 Hvalstad, Asker, Norway – gives the purchaser of a KRABAT product the following product warranty, hereinafter referred to as the "WARRANTY":

1. This WARRANTY is given upon the strict condition that the purchaser and any person that the purchaser gives access to the KRABAT product observe and adhere to the following SAFETY PRECAUTIONS:

   I Always make sure to have read and understood the relevant user manual for the actual KRABAT product before taking into it use.

   II The KRABAT product is only meant to be used for its intended purpose in accordance with the KRABAT user manual for the relevant KRABAT product.

   III Never leave a child, or any other user, using the KRABAT product without proper adult supervision.

   IV Always make sure that safety belts are properly fit and fastened and do not malfunction, as well as recheck the foresaid at regular intervals when the KRABAT product is in use.

   V Always use the KRABAT product with due regard to the advice of your physiotherapist or occupational therapist.

   VI Always remember that the KRABAT product is NOT a toy, and hence, never let a child, or any one else, play with the KRABAT product, as it can harm both persons and the product as well as causing damage.

   VII Always – when not in use - store the KRABAT product in a safe manner in order for it not to be misused by anyone, and furthermore for the purpose of not exposing the KRABAT product to conditions that may harm it and/or its functions.

2. Subject to the terms and conditions of the WARRANTY, KRABAT warrants that the KRABAT product for a period of one (1) year ("the Warranty Period") from the purchase of the KRABAT product, shall function in accordance with its intended purpose as set out in the KRABAT user manual following the actual KRABAT product purchased.

3. KRABAT will at its own cost either itself, or by assistance of a third party, within reasonable time offer assistance in order to remedy any defect of substance to the KRABAT product which occurs within the said Warranty Period, either by taking the unit in question for repair or by forwarding spares for replacement, provided, however, the purchaser of the KRABAT product without undue delay after having become aware of the defect(s), in writing has notified KRABAT or a representative authorized by KRABAT of the discovered defect(s). However, KRABAT retains the right at its sole discretion in lieu of performing remedial work to forward a new unit in lieu of the unit having defects or being defective. In respect of forwarding spare or replacement parts, or a new unit, KRABAT or its authorized representative, shall be deemed to have fulfilled its obligation in so far the part(s) or unit(s) in question are made available for collection at the offices from where the initial KRABAT product was sold.

4. In the event where a defect has not been successfully remedied,

   I The purchaser shall be entitled to a reduction of the purchase price in proportion to the reduced value of the KRABAT product, provided that under no circumstances shall such reduction exceed fifteen per cent (15 %) of the purchase price for the said KRABAT product, or

   II Where the defect is so material as to significantly deprive the purchaser of the benefit of the purpose of the purchase, the purchaser may terminate the purchase in respect of the defective KRABAT product. The purchaser shall then be entitled to actual loss suffered, if any, however, limited to a maximum of fifteen per cent (15 %) of the purchase price for the said KRABAT product.

5. This WARRANTY does not give any guarantees apart from those expressly given under this WARRANTY.

6. For avoidance of doubt This WARRANTY does not extend to any liability of KRABAT or its authorized representatives in respect of any indirect or consequential loss or damage suffered by the purchaser or any person the purchaser, either deliberately or undeliberately, gives access to the KRABAT product.

7. This WARRANTY does not apply in so far that the KRABAT product is supplemented with or there are changed parts of the KRABAT product with parts not manufactured by KRABAT or with parts manufactured or provided by others and the use thereof is of not authorized in writing by KRABAT.

8. KRABAT shall only be liable for defects which appear under conditions of operation or use provided for in the relevant user manual following the KRABAT product.

9. KRABAT shall not be liable for defects which are caused by faulty maintenance, incorrect adjustments or faulty repair by any other person than KRABAT or representative authorized by KRABAT, or any alterations to the KRABAT product carried out without the prior written consent from KRABAT.

10. This WARRANTY does not cover normal wear and tear.

11. KRABAT shall not under any circumstances be liable for defects in any part of a KRABAT product for more than two (2) years from delivery.

12. Save as set out above under this WARRANTY, KRABAT, as well as its authorized representatives, shall not be liable for any defects of the KRABAT product. This applies to any loss the defect may cause including loss of production, loss of profit and other indirect loss.

09.0

Notes

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